

Mortality rate as a function of ivermectin plasma concentration is estimated with à four parameters log logistic function described by the equation below :

$$f(x) = c + \frac{d - c}{1 + \exp(b(\log(x) - \log(e)))}$$

where x is the ivermectin plasma concentration, b the slope, c the lower limit, d the upper limit and e the inflection point, (ED50).